

What is claimed is:

- 1        1.    A method comprising:  
2        storing method metadata including a cookie indicator  
3        in a code portion.
- 1        2.    The method of claim 1, wherein the method  
2        metadata further comprises a method handle.
- 1        3.    The method of claim 1, wherein the method  
2        metadata comprises a magic cookie having a bit pattern non-  
3        compliant with an instruction set architecture.
- 1        4.    The method of claim 1, wherein storing the method  
2        metadata comprises storing the method metadata at an N-  
3        aligned address of the code portion.
- 1        5.    The method of claim 1, further comprising storing  
2        the method metadata at an end of the code portion.
- 1        6.    The method of claim 1, wherein the code portion  
2        comprises compiled code for a method corresponding to the  
3        method metadata.
- 1        7.    The method of claim 1, further comprising  
2        querying the code portion for the method metadata.

1        8.    The method of claim 7, wherein querying the code  
2    portion comprises searching at N-aligned addresses of the  
3    code portion.

1        9.    The method of claim 1, wherein storing the method  
2    metadata comprises storing the method metadata at an  
3    opposite side of a boundary location at an N-aligned  
4    address of the code portion at which a basic block is  
5    stored.

1        10.   The method of claim 1, further comprising storing  
2    the method metadata between a first basic block and a  
3    second basic block of the code portion.

1        11.   The method of claim 1, further comprising using a  
2    compiler to store the method metadata in the code portion.

1        12.   The method of claim 11, further comprising  
2    storing the method metadata in a basic block used for  
3    exception handling.

1        13.   A method comprising:  
2        receiving a request to query a code portion for a  
3    method bundle including method metadata;  
4        searching the code portion for the method bundle; and  
5        returning the method bundle to the requestor.

1        14. The method of claim 13, wherein the method  
2 metadata comprises a cookie indicator and a method handle.

1        15. The method of claim 13, wherein searching the  
2 code portion comprises searching at N-aligned addresses of  
3 the code portion.

1        16. The method of claim 13, wherein searching the  
2 code portion comprises searching in an instruction cache.

1        17. The method of claim 13, wherein searching the  
2 code portion comprises bidirectionally searching the code  
3 portion for the method bundle.

1        18. An article comprising a machine-accessible  
2 storage medium containing instructions that if executed  
3 enable a system to:  
4        store method metadata including a cookie indicator in  
5 a code portion.

1        19. The article of claim 18, further comprising  
2 instructions that if executed enable the system to store  
3 the method metadata with a magic cookie having a bit  
4 pattern non-compliant with an instruction set architecture.

1        20. The article of claim 18, further comprising  
2 instructions that if executed enable the system to store  
3 the method metadata at an N-aligned address of the code  
4 portion.

1        21. The article of claim 18, further comprising  
2 instructions that if executed enable the system to query  
3 the code portion for the method metadata.

1        22. The article of claim 21, further comprising  
2 instructions that if executed enable the system to query  
3 the code portion at N-aligned addresses.

1        23. The article of claim 18, further comprising  
2 further comprising instructions that if executed enable the  
3 system to store the method metadata between a first basic  
4 block and a second basic block of the code portion.

1        24. A system comprising:

2        a memory including instructions that if executed  
3 enable the system to search a code portion for method  
4 metadata including a cookie indicator;

5        a processor coupled to the memory to execute the  
6 instructions; and

7        a wireless interface coupled to the processor.

1        25. The system of claim 24, wherein the method  
2 metadata comprises a magic cookie having a bit pattern non-  
3 compliant with an instruction set architecture of the  
4 system.

1        26. The system of claim 24, wherein the memory  
2 further comprises instructions that if executed enable the  
3 system to search for the method metadata at N-aligned  
4 addresses of the code portion.

1        27. The system of claim 24, wherein the memory  
2 further comprises instructions that if executed enable the  
3 system to store the method metadata between a first basic  
4 block and a second basic block of the code portion.

1        28. The system of claim 24, wherein the memory  
2 further comprises instructions that if executed enable the  
3 system to search for the method metadata using one of a  
4 forward search, a backward search, or a bidirectional  
5 search.